

SEAN BURGESS

[Portfolio](#) | [Certifications](#) | [LinkedIn](#) | [Email](#) | Houston, TX

EDUCATION

University of Colorado Boulder

Expected 2025

M.S. in Data Science Candidate

University of Houston

Graduated May 2020

B.S. in Mathematics - Option in Mathematical Finance

Minor in Economics

EXPERIENCE

Slalom Consulting - Data & Analytics Consultant

Mar 2022 - Current

United Airlines - Corporate Analytics

Jan 2023 - Current

- Formatted Apache Airflow data in AWS RDS using SQL to monitor critical DAGs through a Power BI dashboard and notified key stakeholders for missed SLAs
- Expanded self-service check-in schema to include metrics such as bag drop shortcut, agent override, and SSRs from raw XML kiosk logs

Phillips 66 - Marine Business Intelligence

May 2022 - Sept 2022

- Created a live accounting summary dashboard in Power BI to replace an outdated spreadsheet that was exported to end users twice a day
- Converted a set of six Marine Business reports from SAP Crystal Reports to Tableau and trained respective end users on the transition

Smartbridge - Data Engineering Consultant

Aug 2021 - Mar 2022

Rockcliff Energy

- Analyzed Python machine learning regression model to understand how predictions on well-performance are generated and presented findings to senior management
- Architected and implemented a cloud environment in Azure to accommodate client needs, such as migrating on-premise data stores in CSV files to an Azure Data Lake Storage

Bojangles OpCo, LLC

- Shadowed implementation of KPI dashboards in MicroStrategy
- Authored technical documentation on data ingestion process and structure from multiple sources

Ivy Run Interests - Trading Systems Developer

May 2020 - Aug 2021

- Built a sophisticated trading system using EasyLanguage within TradeStation
- Implemented a multi-stream data strategy in order to generate accurate market signals

PERSONAL PROJECTS

Bayesian Analysis in Predicting Overconfidence

[Link](#)

- Simulated a population of entrepreneurs distributed among three skill types
- Tested a multitude of scenarios in which the entrepreneurs learn from prior experience
- Analyzed perceived skill distributions to understand apparent overconfidence

Currency Crises Predictions

[Link](#)

- Combined large data sets from the World Development Indicators DataBank
- Trained decision trees and identified accurate classifiers in MATLAB
- Predicted currency crises within rich countries